

Title (en)  
VENTILATOR WITH TANDEM DIFFUSER BLADES

Title (de)  
VENTILATOR MIT TANDEM NACHLEITSCHAUFELN

Title (fr)  
VENTILATEUR AVEC AUBES DE DIFFUSEUR TANDEM

Publication  
**EP 3255281 B1 20230322 (DE)**

Application  
**EP 17000947 A 20170602**

Priority  
DE 102016007205 A 20160608

Abstract (en)  
[origin: US2017356673A1] A ventilator unit has a ventilator housing and at least one ventilator accommodated in the ventilator housing. A first outlet guide apparatus is associated with the ventilator and is arranged in the ventilator housing, wherein the first outlet guide apparatus has first outlet guide vanes distributed circumferentially. A second outlet guide apparatus is correlated with the first outlet guide apparatus and arranged in a flow path of an air stream sucked in by the ventilator. The second outlet guide apparatus is connected to a protective screen. The second outlet guide apparatus has second outlet guide vanes. The second outlet guide apparatus increases the throw of the ventilator unit.

IPC 8 full level  
**F04D 25/08** (2006.01); **F04D 29/54** (2006.01); **F04D 29/70** (2006.01)

CPC (source: CN EP US)  
**A01K 1/0052** (2013.01 - EP US); **A01K 1/0064** (2013.01 - EP US); **F04D 25/08** (2013.01 - EP US); **F04D 29/542** (2013.01 - CN); **F04D 29/544** (2013.01 - EP US); **F04D 29/703** (2013.01 - CN EP US); **F24F 13/08** (2013.01 - US); **F24F 13/20** (2013.01 - US)

Citation (examination)

- US 2014314559 A1 20141023 - KHALITOV DANIEL [US], et al
- US 2009060732 A1 20090305 - HSU CHIA-MING [TW], et al
- US 2009226299 A1 20090910 - JIN MOTOI [JP]

Cited by  
IT201800010748A1; EP4283135A1; WO2020099106A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3255281 A1 20171213; EP 3255281 B1 20230322**; CN 107477027 A 20171215; CN 107477027 B 20211029; DE 102016007205 A1 20171214; ES 2944571 T3 20230622; SI 3255281 T1 20230731; US 11067309 B2 20210720; US 2017356673 A1 20171214

DOCDB simple family (application)  
**EP 17000947 A 20170602**; CN 201710424810 A 20170608; DE 102016007205 A 20160608; ES 17000947 T 20170602; SI 201731361 T 20170602; US 201715616953 A 20170608